

Art Unit: 2600

CLMPTO

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PID

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1. (Amended) A driving method for a paper-feeding stepping motor in a thermal printer, the method comprising:

driving the paper-feeding stepping motor and feeding recording paper by applying a driving signal with an active pulse;

determining a number of heating elements to be energized for recording each line with each color;

performing simultaneous divisional energization such that the number of heating elements is not greater than a predetermined number; and

subdividing the active pulse while the driving signal is active.

2. A paper-feeding stepping motor driving method in a thermal printer according to Claim 1, wherein the active pulse is subdivided when the number of divisions for energization of said heating elements is more than or equal to two.

3. A paper-feeding stepping motor driving method in a thermal printer according to Claim 1 or 2, wherein the active pulse is subdivided into a predetermined duty ratio and a predetermined pulse width corresponding to the number of divisions.